

SYSTEM AND METHOD FOR MAXIMIZING CAPACITY  
IN A TELECOMMUNICATIONS SYSTEM

**Abstract**

Provided is a system and method for maximizing the number of communication sessions in a telecommunications network. The network includes multiple protocols that each utilize a certain number of codes and a certain amount of power. Accordingly, the desirability of each protocol may vary depending on the number of codes and the amount of power available. A code usage level and a power usage level for the network are obtained and compared to determine whether the network is using a higher percentage of the available codes or a higher percentage of the available power. If a higher percentage of codes are in use, a new session may be established using a protocol that uses relatively few codes but more power. Likewise, if a higher percentage of power is in use, the new session may be established using a protocol that uses relatively little power but more codes.

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